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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/079,816	02/22/2002	Hajime Goto	107348-00211	5520
4372	7590 06/28/2004		EXAMINER	
ARENT FO	X KINTNER PLOTK	CANTELMO, GREGG		
1050 CONN	ECTICUT AVENUE, N	.W.		n . nr n . n . n . n . n . n
SUITE 400			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20036			1745	

DATE MAILED: 06/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	-d
Office Action Summary		10/079,816	GOTO ET AL.	. 4
		Examiner	Art Unit	· · · · · · · · · · · · · · · · · · ·
		Gregg Cantelmo	1745	_
Period fo	The MAILING DATE of this communica	tion appears on the cover sheet	with the correspondence addre	!ss
A SH THE I - Exter after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA nasions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this communic period for reply specified above is less than thirty (30) of period for reply is specified above, the maximum statutor to treply within the set or extended period for reply will, reply received by the Office later than three months after ed patent term adjustment. See 37 CFR 1.704(b).	TION. 7 CFR 1.136(a). In no event, however, may ation. ays, a reply within the statutory minimum of the property of the proper	a reply be timely filed nirty (30) days will be considered timely. DNTHS from the mailing date of this comm ABANDONED (35 U.S.C. § 133).	nunication.
Status				
, 	Responsive to communication(s) filed of This action is FINAL . 2b) Since this application is in condition for closed in accordance with the practice	This action is non-final. allowance except for formal ma	·	erits is
Dispositi	ion of Claims		•	
5)□ 6)⊠ 7)□	Claim(s) <u>1</u> is/are pending in the applica 4a) Of the above claim(s) is/are v Claim(s) is/are allowed. Claim(s) <u>1</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction	withdrawn from consideration.		
Applicati	ion Papers			
10)	The specification is objected to by the E The drawing(s) filed on is/are: a Applicant may not request that any objectio Replacement drawing sheet(s) including the The oath or declaration is objected to by	D accepted or b) objected to not to the drawing(s) be held in abey e correction is required if the drawing	ance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR	
Priority u	under 35 U.S.C. § 119			
a)	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority do 2. Certified copies of the priority do 3. Copies of the certified copies of the application from the International See the attached detailed Office action for	cuments have been received. cuments have been received in the priority documents have been Bureau (PCT Rule 17.2(a)).	Application No en received in this National Sta	age
2) Notice 3) Information	et(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO mation Disclosure Statement(s) (PTO-1449 or PTo er No(s)/Mail Date	-948) Paper N	v Summary (PTO-413) o(s)/Mail Date f Informal Patent Application (PTO-15 	52)

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DETAILED ACTION

Response to Amendment

- 1. In response to the amendment received May 24, 2004:
 - a. Claim 1 is pending. Claims 2 and 3 have been cancelled;
 - b. The prior art rejection of record is withdrawn in light of the amendment.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by U.S. patent No. 6,726,892 (Au).

Au claims priority to provisional application 60/268,887 filed February 14, 2001. The Examiner has reviewed the content of the provisional application, whereby the disclosure of the provisional application is identical to the disclosure of Au. Thus the prior art reference Au has perfected its priority claim to the provisional application filed February 14, 2001.

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Au discloses a hydrogen storage material comprising plural carbon carriers having an electric conductivity and plural fine particles carried on each carrier and having a hydrogen absorbing ability (abstract). The amount of the particles is from 0.1-5 wt. % (col. 4, II. 52-57). The metal alloy includes aluminum in all examples and in one example includes aluminum and nickel (col. 5, II. 34-54). The average particle size is no greater than 100 nm (col. 4, II. 1-8). The carbon carriers are carbon nanotubes (col. 4, II. 30-51 as applied to claim 1).

4. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by U.S. patent Application Publication No. 2001/0016283 (Shiraishi).

Shiraishi discloses a hydrogen storage material comprising plural carbon carriers having an electric conductivity and plural fine particles carried on each carrier and having a hydrogen absorbing ability (abstract). The amount of the particles is from 0.1-10 wt. % (paragraphs [0191] and [0267]). The metal catalyst can be Ti, La and V (paragraph [0268]). The average particle size is no greater than 1 micron (paragraph [0266]). The carbon carriers are carbon nanotubes (paragraph [0187] as applied to claim 1).

Response to Arguments

5. Applicant's arguments with respect to claim 1 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

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6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregg Cantelmo whose telephone number is (571) 272-1283. The examiner can normally be reached on Monday to Thursday from 9 a.m. to 6 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pat Ryan, can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. FAXES received after 4 p.m. will not be processed until the following business day. Information regarding the status of an application may be obtained from the Patent Applications may be obtained from either Private PAIR or Public PAIR. Status

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information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Gregg Cantelmo Primary Examiner Art Unit 1745

gc

June 25, 2004